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SEQUENCE LISTING

<110> Nicklin, Martin  
Barton, Jenny

<120> IL-1L1 GENE AND POLYPEPTIDE PRODUCTS

<130> MSA-021.01

<140> 09/617,720

<141> 2000-07-17

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<170> PatentIn Ver. 2.1

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 35 40 45  
 Trp Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly  
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 Ser Gln Cys Leu Ser Cys Gly Val Gly Gln Glu Pro Thr Leu Thr Leu  
 65 70 75 80  
 Glu Pro Val Asn Ile Met Glu Leu Tyr Leu Gly Ala Lys Glu Ser Lys  
 85 90 95  
 Ser Phe Thr Phe Tyr Arg Arg Asp Met Gly Leu Thr Ser Ser Phe Glu  
 100 105 110  
 Ser Ala Ala Tyr Pro Gly Trp Phe Leu Cys Thr Val Pro Glu Ala Asp  
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 35 40 45  
 Ala Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly  
 50 55 60  
 Ser Gln Cys Leu Ser Cys Gly Thr Glu Lys Gly Pro Ile Leu Lys Leu

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                                  100                                   105                                   110  
 Ser Ala Ala Tyr Pro Gly Trp Phe Leu Cys Thr Ser Pro Glu Ala Asp  
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 Gln Pro Val Arg Leu Thr Gln Ile Pro Glu Asp Pro Ala Trp Asp Ala  
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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Consensus  
 polypeptide sequence

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                                  20                                   25                                   30

Ala Lys Val Ile Lys Gly Glu Glu Ile Ser Val Val Pro Asn Arg Leu  
                                  35                                   40                                   45

Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly Ser Gln  
                                  50                                   55                                   60

Cys Leu Ser Cys Gly Pro Leu Leu Glu Pro Val Asn Ile Met Glu Leu  
                                  65                                   70                                   75                                   80

Tyr Leu Gly Ala Lys Glu Ser Lys Ser Phe Thr Phe Tyr Arg Arg Asp  
                                  85                                   90                                   95

Met Gly Leu Thr Ser Ser Phe Glu Ser Ala Ala Tyr Pro Gly Trp Phe  
                                  100                                   105                                   110

Leu Cys Thr Pro Glu Ala Asp Gln Pro Val Arg Leu Thr Gln Pro Glu  
                                  115                                   120                                   125

Trp Ala Pro Ile Thr Asp Phe Tyr Phe Gln Gln Cys Asp  
                                  130                                   135                                   140

<210> 8

<211> 138  
 <212> PRT  
 <213> Homo sapiens

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                   20                  25                  30  
 Lys Ile Asp Val Val Pro Ile Glu Pro His Ala Leu Phe Leu Gly Ile  
           35                  40                  45  
 His Gly Gly Lys Met Cys Leu Ser Cys Val Lys Ser Gly Asp Glu Thr  
       50                  55                  60  
 Arg Leu Gln Leu Glu Ala Val Asn Ile Thr Asp Leu Ser Glu Asn Arg  
   65                  70                  75                  80  
 Lys Gln Asp Lys Arg Phe Ala Phe Ile Arg Ser Asp Ser Gly Pro Thr  
                   85                  90                  95  
 Thr Ser Phe Glu Ser Ala Ala Cys Pro Gly Trp Phe Leu Cys Thr Ala  
           100                  105                  110  
 Met Glu Ala Asp Gln Pro Val Ser Leu Thr Asn Met Pro Asp Glu Gly  
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 Val Met Val Thr Lys Phe Tyr Phe Gln Glu  
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<220>  
 <223> Description of Artificial Sequence: Consensus  
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           20                  25                  30  
 Glu Val Asn Ile Leu Lys Lys Phe Phe Arg Asp Gly Thr Ser Phe Glu  
       35                  40                  45  
 Ser Ala Ala Pro Gly Trp Phe Leu Cys Thr Glu Ala Asp Gln Pro Val  
       50                  55                  60  
 Leu Thr Pro Gly Thr Phe Tyr Phe Gln  
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<210> 11  
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 ctctgcacct caccggaagc tgaccagcct gtcaggctca ctcagatccc tgaggacccc 420  
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<210> 13  
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<223> Description of Artificial Sequence: Recombinant  
IBR polypeptide

<400> 13

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Lys Val Leu Tyr Leu His Asn Asn Gln Leu Leu Ala Gly Gly Leu His  
20 25 30

Ala Gly Lys Val Ile Lys Gly Glu Glu Ile Ser Val Val Pro Asn Arg  
35 40 45

Trp Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly  
50 55 60

Ser Gln Cys Leu Ser Cys Gly Val Gly Gln Glu Pro Thr Leu Thr Leu  
65 70 75 80

Glu Pro Val Asn Ile Met Glu Leu Tyr Leu Gly Ala Lys Glu Ser Lys  
85 90 95

Ser Phe Thr Phe Tyr Arg Arg Asp Met Gly Leu Thr Ser Ser Phe Glu  
100 105 110

Ser Ala Ala Tyr Pro Gly Trp Phe Leu Cys Thr Val Pro Glu Ala Asp  
115 120 125

Gln Pro Val Arg Leu Thr Gln Leu Pro Glu Asn Gly Gly Trp Asn Ala  
130 135 140

Pro Ile Thr Asp Phe Tyr Phe Gln Gln Cys Asp  
145 150 155

<210> 14

<211> 154

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<223> Description of Artificial Sequence: Recombinant  
IBR polypeptide

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Val Leu Tyr Leu His Asn Asn Gln Leu Leu Ala Gly Gly Leu His Ala  
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Gly Lys Val Ile Lys Gly Glu Glu Ile Ser Val Val Pro Asn Arg Trp  
35 40 45

Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly Ser  
50 55 60

Gln Cys Leu Ser Cys Gly Val Gly Gln Glu Pro Thr Leu Thr Leu Glu  
 65 70 75 80  
 Pro Val Asn Ile Met Glu Leu Tyr Leu Gly Ala Lys Glu Ser Lys Ser  
 85 90 95  
 Phe Thr Phe Tyr Arg Arg Asp Met Gly Leu Thr Ser Ser Phe Glu Ser  
 100 105 110  
 Ala Ala Tyr Pro Gly Trp Phe Leu Cys Thr Val Pro Glu Ala Asp Gln  
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 <223> Description of Artificial Sequence: Recombinant  
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 35 40 45  
 Asn Arg Trp Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln  
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 65 70 75 80  
 Thr Leu Glu Pro Val Asn Ile Met Glu Leu Tyr Leu Gly Ala Lys Glu  
 85 90 95  
 Ser Lys Ser Phe Thr Phe Tyr Arg Arg Asp Met Gly Leu Thr Ser Ser  
 100 105 110  
 Phe Glu Ser Ala Ala Tyr Pro Gly Trp Phe Leu Cys Thr Val Pro Glu  
 115 120 125  
 Ala Asp Gln Pro Val Arg Leu Thr Gln Leu Pro Glu Asn Gly Gly Trp  
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<400> 17  
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Ala Gly Lys Val Ile Lys Gly Glu Glu Ile Ser Val Val Pro Asn Arg  
35 40 45  
Trp Leu Asp Ala Ser Leu Ser Pro Val Ile Leu Gly Val Gln Gly Gly  
50 55 60  
Ser Gln Cys Leu Ser Cys Gly Val Gly Gln Glu Pro Thr Leu Thr Leu  
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Phe Thr Phe Tyr Arg Arg Asp Met  
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<213> Homo sapiens

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20 25 30  
Gly Pro Asn Val Asn Leu Glu Glu Lys Ile Asp Val Val Pro Ile Glu  
35 40 45  
Pro His Ala Leu Phe Leu Gly Ile His Gly Gly Lys Met Cys Leu Ser  
50 55 60  
Cys Val Lys Ser Gly Asp Glu Thr Arg Leu Gln Leu Glu Val Asn Ile  
65 70 75 80  
Thr Asp Leu Ser Glu Asn Arg Lys Gln Asp Lys Arg Phe Ala Phe Ile  
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 <212> DNA  
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<400> 43

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<211> 152  
<212> PRT  
<213> Homo sapiens

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Gly Tyr Leu Gln Gly Pro Asn Val Asn Leu Glu Glu Lys Ile Asp Val  
35 40 45  
Val Pro Ile Glu Pro His Ala Leu Phe Leu Gly Ile His Gly Gly Lys  
50 55 60  
Met Cys Leu Ser Cys Val Lys Ser Gly Asp Glu Thr Arg Leu Gln Leu  
65 70 75 80  
Glu Ala Val Asn Ile Thr Asp Leu Ser Glu Asn Arg Lys Gln Asp Lys  
85 90 95  
Arg Phe Ala Phe Ile Arg Ser Asp Ser Gly Pro Thr Thr Ser Phe Glu  
100 105 110  
Ser Ala Ala Cys Pro Gly Trp Phe Leu Cys Thr Ala Met Glu Ala Asp  
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130 135 140  
Lys Phe Tyr Phe Gln Glu Asp Glu  
145 150

<210> 45  
<211> 153  
<212> PRT  
<213> Homo sapiens

<400> 45  
Ala Pro Val Arg Ser Leu Asn Cys Thr Leu Arg Asp Ser Gln Gln Lys  
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Ser Leu Val Met Ser Gly Pro Tyr Glu Leu Lys Ala Leu His Leu Gln  
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Gly Gln Asp Met Glu Gln Gln Val Val Phe Ser Met Ser Phe Val Gln  
35 40 45

Gly Glu Glu Ser Asn Asp Lys Ile Pro Val Ala Leu Gly Leu Lys Glu  
 50 55 60  
 Lys Asn Leu Tyr Leu Ser Cys Val Leu Lys Asp Asp Lys Pro Thr Leu  
 65 70 75 80  
 Gln Leu Glu Ser Val Asp Pro Lys Asn Tyr Pro Lys Lys Lys Met Glu  
 85 90 95  
 Lys Arg Phe Val Phe Asn Lys Ile Glu Ile Asn Asn Lys Leu Glu Phe  
 100 105 110  
 Glu Ser Ala Gln Phe Pro Asn Trp Tyr Ile Ser Thr Ser Gln Ala Glu  
 115 120 125  
 Asn Met Pro Val Phe Leu Gly Gly Thr Lys Gly Gly Gln Asp Ile Thr  
 130 135 140  
 Asp Phe Thr Met Gln Phe Val Ser Ser  
 145 150

<210> 46  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 46  
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 20 25 30  
 Ile Arg Ala Asn Asp Gln Tyr Leu Thr Ala Ala Ala Leu His Asn Leu  
 35 40 45  
 Asp Glu Ala Val Lys Phe Asp Met Gly Ala Tyr Lys Ser Ser Lys Asp  
 50 55 60  
 Asp Ala Lys Ile Thr Val Ile Leu Arg Ile Ser Lys Thr Gln Leu Tyr  
 65 70 75 80  
 Val Thr Ala Gln Asp Glu Asp Gln Pro Val Leu Leu Lys Glu Met Pro  
 85 90 95  
 Glu Ile Pro Lys Thr Ile Thr Gly Ser Glu Thr Asn Leu Leu Phe Phe  
 100 105 110  
 Trp Glu Thr His Gly Thr Lys Asn Tyr Phe Thr Ser Val Ala His Pro  
 115 120 125  
 Asn Leu Phe Ile Ala Thr Lys Gln Asp Tyr Trp Val Cys Leu Ala Gly  
 130 135 140  
 Gly Pro Pro Ser Ile Thr Asp Phe Gln Ile Leu Glu Asn Gln Ala  
 145 150 155

<210> 47  
 <211> 157  
 <212> PRT  
 <213> Homo sapiens

<400> 47  
 Tyr Phe Gly Lys Leu Glu Ser Lys Leu Ser Val Ile Arg Asn Leu Asn  
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 20 25 30  
 Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe Ile  
 35 40 45  
 Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met Ala Val Thr Ile  
 50 55 60  
 Ser Val Lys Cys Glu Lys Ile Ser Thr Leu Ser Cys Glu Asn Lys Ile  
 65 70 75 80  
 Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile Lys Asp Thr Lys  
 85 90 95  
 Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn Lys  
 100 105 110  
 Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu  
 115 120 125  
 Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys Glu Asp Glu Leu  
 130 135 140  
 Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu Asp  
 145 150 155

<210> 48  
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 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Consensus  
 peptide sequence

<220>  
 <221> MOD\_RES  
 <222> (1)..(6)  
 <223> Xaa represents a variable amino acid

<400> 48  
 Leu Lys Xaa Leu Xaa Leu  
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<210> 49  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Consensus  
peptide sequence

<220>  
<221> MOD\_RES  
<222> (1)..(7)  
<223> Xaa represents a variable amino acid

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<210> 50  
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<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Consensus  
peptide sequence

<220>  
<221> MOD\_RES  
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<223> Xaa represents a variable amino acid

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<210> 51  
<211> 9  
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<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Consensus  
peptide sequence

<220>  
<221> MOD\_RES  
<222> (1)..(9)  
<223> Xaa represents a variable amino acid

<400> 51  
Leu Glu Xaa Val Asn Ile Xaa Xaa Leu  
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<210> 52  
<211> 24  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Consensus  
peptide sequence

<220>  
<221> MOD\_RES  
<222> (1)..(24)  
<223> Xaa represents a variable amino acid

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Xaa Xaa Glu Ala Asp Gln Pro Val  
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<210> 53  
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<220>  
<223> Description of Artificial Sequence: Binding domain

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<210> 54  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: N-terminal  
extension

<400> 54  
Gly Ser Ser Gly Leu Arg Arg Ala Ser Leu Gly Ser Ser  
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<210> 55  
<211> 485  
<212> DNA  
<213> Homo sapiens

<400> 55  
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 <211> 442  
 <212> DNA  
 <213> Homo sapiens

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<400> 56
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<210> 57  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

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<400> 57
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<210> 58  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

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<400> 58
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<210> 59

<211> 374  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (7)..(8)  
 <223> Wherein n is a or t or c or g.

<220>  
 <221> misc\_feature  
 <222> (10)  
 <223> Wherein n is a or t or c or g.

<400> 59  
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<210> 60  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (343)  
 <223> Wherein n is a or t or c or g.

<400> 60  
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<210> 61  
 <211> 382  
 <212> DNA  
 <213> Mus musculus

<400> 61  
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